

CERTIFICATE OF MAILING

I hereby certify that this Information Disclosure Statement and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date 11/14/03 in an envelope as "Express Mail Post Office to Addressee" mailing label Number ER054264345US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mary E. Anza

(typed or printed name of person mailing paper)

Mary E. Anza

(Signature of person mailing paper)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : James E. Barger
For : IMPROVED GEOPHONE
Filed: : Herewith

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97 and 1.98**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

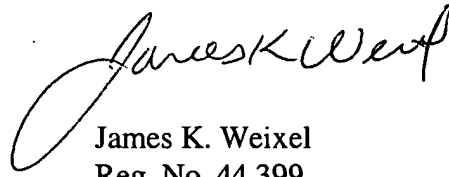
Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant submits this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office. A listing of the cited documents is also enclosed, as well as, for the Examiner's convenience, copies of the documents.

Applicant does not intend to represent that the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicant requests that the documents submitted herein be considered and made of record in this application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "James K. Weixel". The signature is fluid and cursive, with a large initial "J" and a stylized "W".

James K. Weixel
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EXPRESS MAIL NO. ER054264345US INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 02-4098	Serial No. Unassigned
	Applicant James E. Barger	
	Filing Date Herewith	Group Unassigned
	U.S. PATENT DOCUMENTS	

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BA	HOOVER, G.M. AND O'BRIEN, J.T., "The influence of the planted geophone on seismic land data," Geophysics, 45(8): 1239-1253 (August 1980).
BB	KROHN, CHRISTINE E., "Geophone ground coupling," Geophysics, 49(6): 722-731 (June 1984).
BC	SINGH, V. ET AL., "Geophone ground coupling effect on reservoir mapping," 1998 SEG Expanded Abstracts.
BD	TAN, T.H., "Short Note, Reciprocity theorem applied to the geophone-ground coupling problem," Geophysics, 52(12): 1715-1717 (1987).
BE	BBN TECHNOLOGIES, CU-1091 Final Report, "Innovative Seismic System for Buried Unexploded Ordnance Detection and Classification," BBN Report No. 8313 (2001).

Examiner	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.